

PATENT ABSTRACTS OF JAPAN

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(54) TONER FOR DEVELOPING ELECTROSTATIC CHARGE IMAGE

(57)Abstract:

PURPOSE: To increase the resolution and to prevent fogging by forming associated particles of secondary particles grown from primary particles of a polymer having acidic or basic polar groups, colorant particles and an optionally added electrostatic charge controller.

CONSTITUTION: A required amt. of colorant powder is added to an emulsion of a polymer having acidic or basic polar groups obtd. by emulsion polymn. and an electrostatic charge controller is further added as required. They are uniformly dispersed by mixing and continuously stirred to gradually coagulate and grow primary particles of the polymer and the colorant particles to secondary particles. The secondary particles are further coagulated and grown to associated particles by further continuing stirring to obtain a toner. This toner has a relatively narrow particle size distribution and a relatively small average particle size, so when the toner is used as a developer for developing an electrostatic charge image, the resolution is increased and fogging is prevented.

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